

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 24739-2101G (17181-002005)	Application No. 10/762,441
	Applicant Bruce A. Lessey, et. al		
	Filing Date January 21, 2004	Group Art Unit Unknown	

U.S. Patent Documents

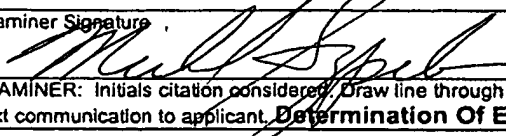
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>MS</i>	A	2003-0113086	06/19/03 A1	Lessey	435	7.2	09/08/98
	B	2003-0228636	12/11/03 A1	Lessey	435	7.2	06/16/03
	*C	5478725	12/26/95	Lessey	435	7.21	11/19/93
	*D	5279941	01/18/94	Lessey	435	7.21	06/12/92
<i>MS</i>	*E	5578306	11/26/96	Lessey	424	143.1	03/03/95

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<i>MS</i>	*F	Albelda et al., "Integrins and other cell adhesion molecules" FESEB J., 4:2868-2880 (1990).
	*G	Albelda et al., "EndoCAM: A novel endothelial cell-cell adhesion molecule", J. Cell Biol. 110:1227-1237 (1990).
	*H	American Fertility Society: Revised American Fertility Society Classification of Endometriosis: 1985 Fertil. Steril., 43:351-352 (1985).
	*I	Anderson T. et al., "Uterine receptivity in the primate development of preimplantation embryos and their environment", pp. 389-399 (1989).
	*J	Anderson T., "Biomolecular markers for the window of uterine receptivity in blastocyst implantation", Yoshinaga K., ed., Sero Symposium. 1989.
	*K	Bancroft et al., "Minimal/mild endometriosis and infertility: A review", J. Obstet. Gynaecol. 96:454 (1989).
	*L	Barbieri et al., "Evaluation of a serological test for the diagnosis of endometriosis using a monoclonal antibody OC-125", SGI Annual Meeting 1985; Mar.:331P.
	*M	Bennett, et al., "Inhibition of fibrinogen binding to stimulated human platelets by a monoclonal antibody", Proc. Natl. Acad. Sci. USA 80:2417-2421 (1983).
	*N	Bennett et al., "Inhibition of fibrinogen binding to stimulated human platelets by a monoclonal antibody", PNAS 80:2417-2421 (1983).
	*O	Brass et al., "Effect of calcium on the stability of the platelet membrane glycoprotein IIb-IIIa complex", J. Biol. Chem. 260:7876 (1985).
<i>MS</i>	*P	Brass et al., "Effect of calcium on the stability of the platelet membrane glycoprotein IIb-IIIa complex", JBC 260:7875-7881, 1985.

Examiner Signature 	Date Considered 2/23/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Determination Of Endometrial Receptivity Toward Embryo Implantation Substitute Disclosure Form (PTO-1449)	

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	*Q	Buck, et al., "Integrin, a transmembrane glycoprotein complex mediating cell-substratum adhesion", J. Cell. Sci. Suppl. 8:231-250 (1987).			
	*R	Budwit-Novotny et al., "Immunohistochemical analyses of estrogen receptor in endometrial adenocarcinoma using a monoclonal antibody", Cancer Res. 46:5419-5425 (1986).			
	*S	Burrige et al., "Focal adhesions: transmembrane junctions between the extracellular matrix and the cytoskeleton," Ann. Rev. C11. Biol. 4:487-525 (1988).			
	*T	Davies et al., "The osteoclast functional antigen, implicated in the regulation of bone resorption, is biochemically related to the vitronectin receptor", J. Cell. Biol. 109:1817 (1989).			
	*U	Davies et al., J. Cell Biol. 109:1817-1826 (1989).			
	*V	Edgington S., "How sweet it is: selection-mediating drugs", Biotechnology 10:383-389 (1992).			
	*W	Fay, T., "Human endometrial peptides: a review of their potential role in implantation and placentation", Human Reproduction 6(9):1311-1326 (1991).			
	*X	Fazleabas, et al., "Distribution of integrins and the extracellular matrix proteins in the baboon endometrium during the menstrual cycle and early pregnancy", Bio of Reprod. 56:348-356 (1997).			
	*Y	Fedele et al., "Structural and ultrastructural defects in preovulatory endometrium of normo-ovulating infertile women with minimal or mild endometriosis", Fertil. Steril. 53:989 (1990).			
	*AB	Getzenberg et al., "The tissue matrix: cell dynamics and hormone action endocrine", Rev. 11:399-417 (1990).			
	*AC	Hahn et al., "Experimental evidence for failure to implant as a mechanism of infertility associated with endometriosis", Am. J. Obstet. Gynecol. 155:1109 (1986).			
	*AD	Harlow and Lane, "Storing and purifying antibodies", Antibodies A Laboratory Manual Cold Spring Harbor Laboratory, 287 (1988).			
	*AE	Hasson, "Incidence of endometriosis in diagnostic laparoscopy", J. Reprod. Med. 16:135 (1976).			
	*AF	Hemler, M.E. "VLA proteins in the integrin family: structures, functions and their role on Leukocytes", Annu. Rev. Immunol. 8:365-400 (1990).			
	*AG	Hertig, A.T. et al. E.C. "A description of 34 human OVA within the first 17 days of development", Am. J. Anat. 98:435-493 (1956).			
	*AH	Hornstein et al., "Menstrual cyclicity of CA-125 in patients with endometriosis", Fertil. Steril. 58:279 (1992).			
	*AI	Ilesanmi, et al., "Immunohistochemical markers of uterine receptivity in the human endometrium", Micro Res and Tech 25:208-222 (1993).			
	*AJ	Janis et al., "Chapter 13: Application of Ligand Binding to the Development of New Calcium Antagonists and Activators" in Receptor Binding in Drug Research, Ed. Robert A. O'Brien, 283-296 (1986)			
	*AK	Kao, L et al., "The human villous cytotrophoblast: interactions with extracellular matrix proteins, endocrine function, and cytoplasmic differentiation in the absence of syncytium formation", Dev Biol. 130:693-702 (1988).			
	*AL	Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497 (1975).			
	*AM	Kurzrock R et al., "LIF: Not just a leukemia inhibitory factor", Endocrine Reviews 12:208-217 (1991).			
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<i>ML</i>	*AN	Laemmli, "Cleavage of structural proteins during assembly of the head of bacteriophage T4", Nature 227:680-685 (1970).			
	*AO	Laemmli, U.K. "Cleavage of structural proteins during assembly of the head of bacteriophage T4", Nature 227:680-685 (1970).			
	*AP	Lessey, "The use of integrins for the assessment of uterine receptivity", Fertility and Sterility 61(5):812-814 (1994).			
	*AQ	Lessey et al., "Integrins and other cell adhesion molecules in endometrium and endometriosis", Seminars in Reprod Endocrin 15(3):291-299 (1997).			
	*AR	Lessey et al., "Integrin adhesion molecules in the human endometrium", J. Clin. Invest. 90:188-195 (1992).			
	*AS	Lessey et al., "Endometrial progesterone receptors and markers of uterine receptivity in the window of implantation", Fertility and Sterility 65(3):477-483 (1996).			
	*AT	Lessey, "Embryo quality and endometrial receptivity: lessons learned from the art experience", J. Assis. Reprod. Genet. 15:173-6 (1998).			
	*AU	Lessey, "Integrins and the endometrium: new markers of uterine receptivity", Annals N.Y. Academy of Sciences 111-122. <u>1991</u> .			
	*AV	Lessey et al., "Integrins as markers of uterine receptivity in women with primary unexplained infertility", Fertility and Sterility 63(3):535-542 (1995).			
	*AW	Lessey et al., Abstract #401 from 38th Annual Meeting of the Society for Gynecological Investigation, March 1991.			
	*AX	Lessey et al., "Distribution of integrin adhesion molecules in normal and neoplastic human endometrium", 2nd International Conference on the Extracellular Matrix of the Reproductive Tract, May 1992.			
	*AY	Lessey et al., "Further characterization of endometrial integrins during the menstrual cycle and in pregnancy", Fertility and Sterility 62(3):497-505 (1994).			
	*AZ	Lessey et al., "Integrin adhesion molecules in the human endometrium", J. Clin. Invest. 90:188-195 (1992).			
	*BA	Lessey, "Endometrial integrins and the establishment of uterine receptivity", Human Reproduction 13(3):247-261 (1998).			
	*BB	Lessey et al., "Distribution of integrin adhesion molecules in the human uterus throughout the menstrual cycle", 38th Annual Meeting of the Society of Gynecologic Investigation, San Antonio, TX, March 20-23, 1991.			
	*BC	Lowry et al., "Protein measurement with folin phenol reagent", J. Biol. Chem. 193:265-275 (1951).			
	*BD	Martel, D. "Scanning electron microscopy of the uterine luminal epithelium as a marker of the implantation window in blastocyst implantation", Yoshinaga, K. Ed. <u>1989</u>			
	*BE	Maxfield et al., "Murine T cells express a cell surface receptor for multiple extracellular matrix proteins", J. of Experimental Med. 169:2173-2190 (1989).			
	*BF	Metz, "Basic principles of ROC analysis", Sem. Nuclear Med. 8:283-298 (1978).			
	*BG	Moulder et al., "The mouse vitronectin receptor is a T cell activation antigen", J. of Experimental Med. 173:343-347 (1991).			
<i>ML</i>	*BH	Muscato et al., "Sperm phagocytosis by human peritoneal macrophages: A possible cause of infertility in endometriosis", Am. J. Obstet. Gynecol. 144:503 (1982).			
Examiner Signature <i>Michael J. [Signature]</i>		Date Considered <u>2/23/05</u>			
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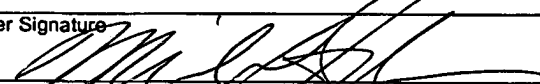
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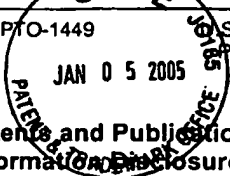
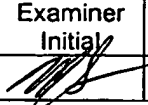
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	*BI	Navot, D. "The window of embryo transfer and the efficiency of human conception in vitro", Fertil & Steril. 55:114-117 (1991).
	*BJ	Navot, D. "An insight into early reproductive processes through the in vivo model of ovum donation", J. Clin. Endocrinol. Metab. 72:408-414 (1991).
	*BK	Navot, D. et al., "Preparation of the human endometrium for implantation", Ann N.Y. Acad. Sci. 622:212-219 (1991).
	*BL	Noyes et al., "Dating the endometrial biopsy", Fertil. & Steril. 1:3-25 (1950).
	*BM	Peterson et al., "Laparoscopy of the infertile patient", Obstet. Gynecol. 36:363-367 (1970).
	*BN	Pierschbacher et al., "Synthetic peptide with cell attachment activity of fibronectin", PNA 80:1224-1337 (1983).
	*BO	Pope et al., "Uterine asynchrony: A cause of embryonic loss", Biol. Reprod. 39:999 (1988).
	*BP	Psychoyos A. et al., "Embryo-endometrial interactions at implantation of the human embryo", Academic Press Inc. 195-209 (1985).
	*BQ	Rogers and Murphy, "Uterine receptivity for implantation: human studies, in blastocyst implantation", Yoshinaga, K. ed., Serono Symposia, pp. 231-238 (1989).
	*BR	Ruoslahti E. et al., "New perspectives in cell adhesion: RGD and integrins", Science 238:491-497 (1987).
	*BS	Satyaswaroop et al., "Isolation and culture of human endometrial glands", J. Clin. Endocr. Metab. 48:639-641 (1979).
	*BT	Schlaflke et al., "Cellular basis of interaction between trophoblast and uterus at implantation", Biol. of Repro. 12:41-65 (1975).
	*BU	Simon C et al., "A novel immune mediator prevents embryonic implantation", Annual Meeting of Am. Fert. Soc. Montreal, S2-Abst O-3 (1993).
	*BV	Somkuti et al., "Epidermal growth factor and sex steroids dynamically regulate a marker of endometrial receptivity in Ishikawa cells", J. of Clin. Endocrin. and Metabolism 82(7):2192-2197 (1997).
	*BW	Sonnenberg A., "Integrin recognition of different cell-binding fragments of laminin and evidence that $\alpha 6 \beta 1$ but not $\alpha 6 \beta 4$ functions as a major receptor for fragment E8", Jour. Cell Bio. 110:2145-2155 (1990).
	*BX	Sutherland A., "Developmental regulation of integrin expression at the time of implantation in the mouse embryo", Development 119:1175-1186 (1993).
	*BY	Sutherland A., "Expression and function of cell surface extracellular matrix receptors in mouse blastocyst attachment and outgrowth", Jour. Cell Bio. 106:1331-1348 (1988).
	*BZ	Tabibzadeh, "Patterns of expression of integrin molecules in human endometrium throughout the menstrual cycle", Hum. Reprod. 7:876 (1992).
	*CA	Tabibzadeh S., "Immunoreactivity of human endometrium: correlation with endometrial dating", Fert. & Steril. 54(4):624-631 (1990).
	*CB	Vanderpuye et al., "A vitronectin-receptor-related molecule in human placental brush border membranes", Biochem. J. 280:9-17 (1991).
	*CC	Vinater et al., Letters to the editor, Euro J. of Obstetrics & Gyn and Reprod Biol 62:263-265 (1995).

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<i>MP</i>	*CD	Wilcoxon, "Individual comparisons by ranking methods", Biometrics Bull 1:80-85 1945). (1945).					
	*CE	Yoshinaga K., "aReceptor concept in implantation research development of preimplantation embryos and their environment", pp 379-387 (1989).					
<i>MP</i>	*CF	Yovich et al., "Hormonal profiles and embryo quality in women with severe endometriosis treated by in vitro fertilization and embryo transfer", Fertil Steril. 50:308 (1988).					

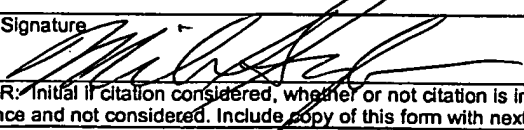
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<div style="text-align: center;">  </div> <p>List of Patents and Publications for Applicant's Information and Disclosure Statement</p> <p>(37 CFR §1.98(b))</p>				Applicant Bruce A. Lessey, et al.			
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U.S. Patent Documents							
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	AA	5,854,401	12/29/1998	Lessey	530	388.1	09/03/1996

Foreign Patent Documents or Published Foreign Patent Applications								
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